

UTAH CTE SKILL CERTIFICATE PROGRAM

CABINETMAKING

STUDENT PERFORMANCE EVALUATION

TEST #524

Student Name: _____

The performance evaluation is a required component of the Skill Certification process. Each student **must be evaluated** on the required performance standards. Performance standards may be completed and **evaluated anytime during the course**.

- Students should be aware of their progress throughout the course, so that they can concentrate on the objectives that need improvement.
 - Students should be encouraged to repeat the objectives until they have performed at a minimum of a number 1 or 2 on the rating scale (moderately to highly competent level).
1= highly competent Successfully demonstrated without supervision
2= moderately competent Successfully demonstrated with limited supervision
3= limited competence Demonstrated with close supervision
4= not competent Demonstration requires direct instruction and supervision
 - When a standard has been achieved at a minimum of 80% (moderately to highly competent level).
“Y” (Y=YES) is recorded on the last line of that standard, on the performance evaluation sheet. If a student does not achieve a 1 or a 2 (moderately to highly competent level), then “N” (N=NO) is recorded on the last line of that standard.
 - All performance standards **MUST** be completed and evaluated prior to the written test.
 - The **teacher** will bubble in “A” on the answer sheet for item #81 for students who have achieved “Y” on **ALL** performance standards.
 - The **teacher** will bubble in “B” on the answer sheet for item #81 for students who have **ONE or more “N”s** on the performance standards.
 - The signed performance evaluation sheet(s) **MUST** be kept in the teachers’ file for two years.
 - A copy is also kept on file with the school’s ATE Skill Certification testing coordinator for two years.
- Students who achieve a 1 or a 2 (moderately to highly competent) on **ALL** performance standards and 80% on the written test will be issued an ATE Skill Certificate.

480702-02 Students will be able to understand the design, planning, and estimation process.

1	2	3	4
<input type="checkbox"/>	Identify elements and principles of design as they apply to cabinetmaking/millwork manufacturing.		
<input type="checkbox"/>	Draw the necessary views of a selected project.		
<input type="checkbox"/>	Create a material list for the selected project and determine the project cost		
<input type="checkbox"/>	Create a procedure list for construction of a cabinet.		
<input type="checkbox"/>	Extract pertinent cabinet information and specifications from blueprints and specifications.		
<input type="checkbox"/>	Identify cabinet standards relating to kitchen, vanity, and commercial type cabinets (quality standards, dimension standards, etc.).		

480702-03 Students will be able to understand and demonstrate safe practices.

1	2	3	4
<input type="checkbox"/>	Demonstrate the ability to work safely in a cabinet shop following general safety rules.		
<input type="checkbox"/>	Demonstrate safe use of woodworking tools and machines.		
<input type="checkbox"/>	Demonstrate how to handle and store materials according to the Material Safety Data Sheets (MSDS).		
<input type="checkbox"/>	Pass a written safety test with a score of 100 percent.		

480702-04 Students will be able to understand and demonstrate the safe use of hand tools.

1	2	3	4
<input type="checkbox"/>	Demonstrate proper use of striking tools.		
<input type="checkbox"/>	Demonstrate proper use of measuring and layout tools.		
<input type="checkbox"/>	Demonstrate proper use of sawing tools.		
<input type="checkbox"/>	Demonstrate proper use of edge-cutting tools.		
<input type="checkbox"/>	Demonstrate proper use of fastening tools.		

480702-05 Students will be able to understand and demonstrate the safe use of portable power tools.

1	2	3	4
<input type="checkbox"/>	Demonstrate proper use of routers.		
<input type="checkbox"/>	Demonstrate proper use of reciprocal or circular saws.		
<input type="checkbox"/>	Demonstrate proper use of biscuit jointer.		
<input type="checkbox"/>	Demonstrate proper use of power plane.		
<input type="checkbox"/>	Demonstrate proper use of power drills and drivers.		
<input type="checkbox"/>	Demonstrate proper use of pneumatic tools.		

480702-06 Students will be able to understand and demonstrate the safe use of power machines.

1	2	3	4
<input type="checkbox"/>	Demonstrate the proper use of cutting machines. Table saw – change blade, setup dado blade, cut a cove, cut a bevel, rip, cross cut, and miter.		
<input type="checkbox"/>	Band saw – Cut arcs and circles.		
<input type="checkbox"/>	Scroll saw – cut arcs, circles, change blade, and set tension.		
<input type="checkbox"/>	Panel saw –cut horizontal and vertical.		
<input type="checkbox"/>	Radial arm saw – cross cut		
<input type="checkbox"/>	Demonstrate the proper use of the jointer in facing, and edging		
<input type="checkbox"/>	Demonstrate the proper use of the surfacer in surfacing.		
<input type="checkbox"/>	Demonstrate the proper use of shaping machines in straight cut or curved edge with a collar.		
<input type="checkbox"/>	Demonstrate the proper use of boring machines. Drill press – setup, adjust, and bore.		
<input type="checkbox"/>	Demonstrate the proper use of the following sanding machines. Spindle sander – change abrasive paper. Disc sander – change abrasive paper. Belt/Drum sander – setup, adjust, and change belt.		

480702-07 Students will be able to understand the wood components and characteristics.				
1	2	3	4	
	Describe the anatomy of a tree and the significance that it has in cabinet construction - describe and know how to deal with natural and manmade defects.			
	Demonstrate a knowledge of the seasoning and drying of lumber.			
	Distinguish between softwoods and hardwoods.			
	Identify the differences between solid wood and manmade goods and describe the use of each.			
	Identify wood species and list the species most suited for cabinet construction.			
	Identify the different grades of lumber, panel, and sheet goods.			

480702-08 Students will be able to understand the basic math and measuring concepts				
1	2	3	4	
	Calculate the cost of a project.			
	Demonstrate the optimization of materials.			
	Calculate board feet and square feet.			
	Read and measure with a tape using sixteenth (1/16).			

480702-09 Students will be able to understand and demonstrate the use of fasteners/adhesives/abrasives.				
1	2	3	4	
	Demonstrate the various fasteners and the application for each in cabinetmaking – staples, nails, screws.			
	Identify the different adhesives and preferred use of each.			
	Identify abrasive types; select and correctly use each specified grit size.			
	Identify the different types of clamps – Bar, “C”, Spring, Band, and Handscrew.			

480702-10 Students will be able to understand and demonstrate the use of joinery.				
1	2	3	4	
	Identify the basic wood joints used in cabinetmaking/millwork - Butt, miter, rabbet, dado, spline, mortise and tenon, dovetail, groove (plough), lap			
	Construct the basic wood joints used in cabinetmaking/millwork.			

480702-11 Students will be able to understand and demonstrate the use of cabinet components and hardware.				
1	2	3	4	
	Identify the parts of traditional and European kitchen cabinets (stile, rail, mullion, kicker, base, toe kick, edge banding, drawer guide/glide, shelf, bottom, web frame, nailer, molding, skin, side, back, filler strip)			
	Describe the concept of a European (frameless) cabinet system and the advantages and disadvantages of each.			
	Identify the door options in cabinetmaking.			
	Identify the components of a drawer.			
	Identify and properly install common cabinet/furniture hardware (hinges, drawer glides, pulls, knobs, shelf supports).			
	Assemble a project with the proper adhesive and fasteners.			
	Layout and construct various common types of cabinet doors.			
	Cut out and construct various common types of drawers.			
	Install door and drawer.			

480702-12 Students will be able to understand and demonstrate finishing techniques.				
1	2	3	4	
	Properly prepare surface for finishing.			
	Properly apply stain, penetrating oil, or clear finish.			
	Know how to protect and transport cabinets.			
	Understand basic cabinet installation techniques.			

480702-16 Students will be able to understand the importance of employability and work habits.				
1	2	3	4	
	Develop a list of work standards to follow at school and on the job.			
	Evaluate your personal ethics.			

The instructor must retain a copy of this Student Performance Evaluation for two years after the student has left the program.

Instructor Signature: _____ Date: _____

Student Signature: _____ Date : _____

School: _____